

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 252 ft. Lat: 30.9392° N Lon: 95.9203° W

Station: MADISONVILLE, TX US USC00415477

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	61.8	36.6	49.2	3.9	3.3	3.2	51.3	36.7	21.3	7.0	1.2	0.4	230.9	278.4	356.0	496.7	0.0	0.0	26.1	0.3	11.4	0.0
02	65.7	40.7	53.2	4.4	3.8	3.6	87.0	65.4	41.1	14.8	3.7	1.7	137.4	171.8	231.5	345.2	0.0	0.1	25.1	0.2	6.2	0.0
03	72.4	47.0	59.7	3.4	3.9	3.5	202.2	160.8	107.2	43.6	11.0	4.8	56.5	77.1	116.5	207.9	0.0	0.0	30.1	0.0	2.6	0.0
04	79.1	53.9	66.5	2.5	3.5	2.8	353.7	299.4	222.6	116.1	44.0	25.6	8.7	14.4	27.6	71.0	0.0	0.6	30.0	0.0	0.3	0.0
05	85.4	62.6	74.0	2.3	2.2	2.0	589.1	527.5	435.6	286.5	153.8	109.3	0.1	0.5	1.7	7.5	0.0	6.4	31.0	0.0	0.0	0.0
06	91.5	69.2	80.3	2.6	2.0	1.8	760.3	700.4	610.4	460.4	311.0	251.9	0.0	0.0	0.0	0.0	1.2	21.2	30.0	0.0	0.0	0.0
07	94.7	71.6	83.1	2.7	1.5	1.6	872.6	810.6	717.6	562.6	407.6	345.6	0.0	0.0	0.0	0.0	4.7	27.6	31.0	0.0	0.0	0.0
08	96.1	71.2	83.6	2.7	2.0	2.0	887.9	826.0	733.0	578.0	423.0	361.1	0.0	0.0	0.0	0.0	5.7	27.9	31.0	0.0	0.0	0.0
09	91.0	65.4	78.2	2.9	2.6	2.0	695.9	635.9	546.0	397.3	255.4	202.3	0.0	0.0	0.1	1.4	1.0	18.9	30.0	0.0	0.0	0.0
10	82.1	54.9	68.5	2.2	3.1	1.8	425.7	367.9	286.0	165.7	77.6	52.2	7.2	11.4	22.6	57.2	0.0	4.6	31.0	0.0	0.3	0.0
11	71.1	44.7	57.9	4.1	3.6	3.4	166.4	130.3	85.7	34.9	10.4	5.7	79.2	103.2	148.7	247.8	0.0	0.0	28.9	0.0	4.1	0.0
12	63.6	37.9	50.8	3.3	3.8	2.6	67.6	50.4	30.3	11.3	2.7	1.2	199.2	244.0	317.0	453.0	0.0	0.0	27.7	0.0	10.6	0.0
Summary	79.5	54.6	67.1	3.1	2.9	2.5	5160	4611	3837	2678	1701	1362	719	901	1222	1888	12.6	107.3	351.9	0.5	35.5	0.0

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Precipitation (in.)								
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount		
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels		
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75
01	4.36	7.6	6.1	2.6	1.4	2.46	4.10	4.85
02	3.35	7.7	5.4	2.0	1.1	1.31	2.81	5.10
03	3.38	6.8	5.1	2.2	1.1	2.01	3.00	4.15
04	3.40	5.8	5.0	2.4	1.1	1.75	3.01	4.22
05	4.86	7.0	5.8	3.4	1.5	2.65	3.90	7.13
06	3.76	6.9	5.1	2.8	1.4	1.48	2.86	5.42
07	2.91	5.7	4.3	1.8	1.0	1.33	2.41	4.27
08	3.42	5.3	4.2	2.2	1.2	1.09	2.28	4.85
09	3.87	6.2	5.1	2.3	1.2	1.75	3.56	5.57
10	4.72	5.9	4.6	2.7	1.8	1.69	2.91	6.21
11	4.34	6.6	5.4	2.6	1.2	1.86	3.62	5.89
12	4.40	7.6	5.7	2.9	1.4	2.71	3.97	5.49
Summary	46.77	79.1	61.8	29.9	15.4	22.09	38.43	63.15

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
02	0.30	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
03	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
04	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	0.20	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
Summary	0.5	0.2	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	309.4	380.3	613.1	795.1	1054.0	1210.4	1337.6	1353.1	1146.0	883.5	540.1	348.3
45	192.3	259.7	463.9	645.3	899.0	1060.4	1182.6	1198.0	995.9	728.9	399.1	224.2
50	106.3	159.6	324.3	497.1	744.0	910.3	1027.6	1042.9	845.8	575.5	272.5	129.9
55	51.3	87.0	202.2	353.7	589.1	760.3	872.6	887.9	695.9	425.7	166.4	67.6
60	21.3	41.1	107.2	222.6	435.6	610.4	717.6	733.0	546.0	286.0	85.7	30.3
Growing Degree Units for Corn (Monthly)												
50/86	209.0	249.1	394.8	528.7	718.2	822.7	891.1	884.6	759.5	585.8	355.2	236.7
Growing Degree Units (Accumulated Monthly)												
40	309	690	1303	2098	3152	4362	5700	7053	8199	9082	9623	9971
45	192	452	916	1561	2460	3521	4703	5901	6897	7626	8025	8249
50	106	266	590	1087	1831	2742	3769	4812	5658	6233	6506	6636
55	51	138	340	694	1283	2044	2916	3804	4500	4926	5092	5160
60	21	62	170	392	828	1438	2156	2889	3435	3721	3806	3837
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	209	458	853	1382	2100	2922	3814	4698	5458	6044	6399	6635

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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